

O'Sea Press Polished Vinyl



The O'Sea coating is specifically engineered to provide a superior scratch resistant barrier without compromising the hand or flexibility of the sheet. This unique chemistry also gives the O'Sea sheet exceptional chemical and stain resistance.



Product Overview

Description: Scratch resistant single, double and triple ply press polished PVC available from 20-50 mil (0.5 - 1.3mm).

Applications: Flexible glass-like windows for marine applications and various other uses including protective masks, exterior signage, awnings and industrial applications.

Processing: Cut & sew

Dimensional & Weight Properties

Skin Thickness	:	Various--typically 20 to 50 mil (0.5 - 1.3 mm)
Density	:	1.30 +/- .05 g/cm ³
Mass	:	1300 g/m ² (nominal for 40 mil construction)
Dimensions	:	54x110 inches

Physical Properties

Elongation	:	>300 %	ASTM D412
Tensile Strength	:	>3000 psi	ASTM D412
Tear Strength	:	>500 ppi	ASTM D1004
Low Temperature Flexibility	:	-20°C	SAE J323-A
Durometer	:	90 +/-5	ASTM D2240 (A scale)
Dimensional Stability	:	<2%	ASTM D1204 (15m @ 100°C)

Colorfastness & Surface Durability

Chemical Resistance	:	Pass	ANSI SAE Z26.1, Tests 19 & 20
Luminous Transmittance	:	≈85-87% (clear vinyl), ≈17-20% (charcoal)	ASTM D1003
Haze	:	≈1% (clear vinyl)	ASTM D1003

Additional Properties

Volatile Loss	:	<1%	CLP463-DD-04-01
Flammability	:	Self-Extinguishing	FMVSS 302
Flammability	:	Does Not Ignite (Meets Class I, CS 191-53)	CAL 117 E

Properties listed do not constitute a warranty or specification. Test values are based on materials conditioned and tested in a controlled laboratory using established standards and procedures. Properties vary based on embossed grain, color, multi-ply lamination and other variables.

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